



2020-2021

PROGRAM GUIDE

MERCER COUNTY CAREER CENTER

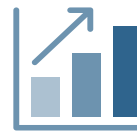
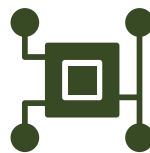


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MERCER COUNTY CAREER CENTER OPPORTUNITIES

The Mercer County Career Center is located in Coolspring Township, Mercer, PA and offers 15 State approved programs offering real-world, hands-on learning. The Pennsylvania Skills Certificate recognizes students who are technically prepared for postsecondary education along with the knowledge to obtain high-skilled, high wage careers.

NOCTI (National Occupational Competency Testing Institute) is the largest provider of industry based credentials and partner industry certifications for Career and Technical Education (CTE) programs across the nation. Students who score ADVANCED on the NOCTI test earn 3-college credits.

NCRC (National Career Readiness Certificate) is an evidence based credential which certifies essential skills for workplace success. Employers look for this when hiring because it is a good indicator of job performance.

NTHS (National Technical Honor Society) is an honor society for outstanding career and technical students. NTHS promotes strong values, responsibility, initiative, teamwork, and leadership while building a strong positive image.

SkillsUSA is a working partnership of students, teachers, and industry who work together to ensure America has a skilled workforce. SkillsUSA provides each student with the opportunity to excel.

**“OUR MISSION
IS TO EQUIP
STUDENTS WITH
MARKETABLE
SKILLS
THROUGH
EFFECTIVE
CAREER AND
TECHNICAL
EDUCATION”**



HUMAN SERVICES



COSMETOLOGY

Experience the world of beauty and fashion through the Cosmetology Program. Use cutting edge techniques to deliver precision haircuts, perms, chemical relaxing, braiding, manicures, facials and hair color treatments. Two days a week you will master your skills on customers in our student operated salon. Students successfully completing 1,250 hours of instruction are eligible for licensure from the Pennsylvania State Board of Cosmetology. This industry is booming right now and there are many opportunities available for entry level stylists.

COURSES OF STUDY

Professional Skills
Infection Control
Chemistry, Anatomy and Physiology
Properties of Hair/Scalp and Hair Care
Chemical Textures and Hair Coloring
Facials/Facial Makeup
Nail Structure/Technology
Salon Business

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- PA State Board of Cosmetology License
- Safety and Pollution Prevention Cosmetology (SP/2)

Pennsylvania Skills Certificate/College Credit

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students can also earn credits to Laurel Technical Institute and Saint Francis.



CAREERS

Cosmetologist
Salon Manager
Salon Sales Consultant
Salon/Spa Owner
Skin Care Specialist

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$24,850.00

Hourly:
\$11.95

JOB GROWTH

(2016-2026 in PA)

10%-14%
Faster than Average

CULINARY ARTS

Are you the next Top Chef? Culinary Arts is designed to give students the basic skills needed to start a career in the restaurant and hospitality industry. You will create foods, from appetizers to desserts, in our professionally equipped kitchen and bakery. The curriculum and professional equipment is designed to develop skills in all areas of the food service industry.

COURSES OF STUDY

Sanitation
Utensils, Cutting Tools and Equipment
Cooking and Recipes
Meat, Poultry, and Seafood
Cheese and Seasonings
Baking
Nutrition and Menu Planning
Front-of-the-House and Dining Room Service

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- ServSafe
- Safety and Pollution Prevention Culinary (SP/2)

Pennsylvania Skills Certificate/College Credit

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Pittsburgh Technical College and Saint Francis.



CAREERS

Chef and
Restaurant Cooks

Food Service
Managers

Bakers

First Line
Supervisors

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$48,460.00

Hourly:
\$23.30

JOB GROWTH

(2016-2026 in PA)

10%-14%
Faster than Average

EARLY CHILDHOOD EDUCATION

Learn the skills needed to work with young children, through working in a fully operational preschool. Obtain Pediatric CPR and First Aid Certification. Earn hours toward a Child Development Associate (CDA) Certification.

This program will prepare students for post-secondary schooling in the education field, or to enter the workforce as a preschool teacher assistant. Articulation agreements provide college credits for students earning at least a B.

COURSES OF STUDY

Child Development
Literacy and Play
Learning Activities
Program Development and Curriculum
Food and Nutrition
Children's Safety and Health
Professionalism

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- Child Development Associate (CDA) – Ready
- Better Kid Care
- Mandated Reporter
- Pediatric First Aid, CPR, and AED

Pennsylvania Skills Certificate/College Credit

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Butler County Community College and Saint Francis.



CAREERS

Childcare Provider

Preschool Teaching Assistant

Teacher's Aide

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$29,780.00

Hourly:
\$14.32

JOB GROWTH

(2016-2026 in PA)

10%-14%
Faster than Average

HEALTH CARE CAREERS

The Health Care Careers Program is designed to allow students the ability to gain a preparatory understanding of the health care environment. The course focuses on anatomy, physiology, and medical terminology. Certifications include American Heart Association Health Care Provider (CPR/AED), American Heart Association First Aid, and American Heart Association Pediatric First Aid, and PA Nurse Aide Registration with clinical experience at nursing facilities.

COURSES OF STUDY

Legal and Ethical Issues
Basic Health Care Concepts
Anatomy, Physiology, and Pathophysiology
Body Mechanics
Emergency Care and Disaster Preparedness
Clinical Skills
Infection Control
Nurse Aide

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- OSHA Healthcare
- Nurse Aide
- Heartsaver First Aid
- BLS Healthcare Provider

Pennsylvania Skills Certificate/College Credit

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Pittsburgh Technical College and Saint Francis.



CAREERS

Nurse Aide
Home Health Aide
Physical Therapy Aide
Medical Assistant

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$28,540.00

Hourly:
\$13.72

JOB GROWTH

(2016-2026 in PA)

10%-14%
Faster than Average

PROTECTIVE SERVICES

Learn about the exciting field of public safety and homeland security with career opportunities as a Police Officer, Conservation Officer, Security Officer, Firefighter, or prepare to go into the Armed Services. Investigate crime scenes, practice police patrol, and learn emergency communications. You can earn several certifications, including Healthcare Provider, First Aid, and National Incident Management Systems (NIMS).

COURSES OF STUDY

Criminal Justice
Crime Scene Investigation
Emergency Medical Services/Incident Management
Firefighting
Communication Technologies
Physical Fitness and Self Defense

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- OSHA
- BLS Healthcare Provider
- Public Safety Telecommunication I
- National Incident Management System (100, 200, 700, 800)
- First Responder
- OCAT – Oleoresin Capsicum Aerosol Training
- PATH – Personal Protection Baton Tactics
- Heartsaver AED and First Aid

Pennsylvania Skills Certificate/College Credit

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Pittsburgh Technical College, Butler County Community College and Saint Francis.



CAREERS

Military

Law Enforcement

Emergency Medical Responder

Public Safety Communications

Security Officer

Firefighter

Corrections Officer

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$30,720.00

Hourly:
\$14.77

JOB GROWTH

(2016-2026 in PA)

5%-9%
Average

MANUFACTURING & BUSINESS



ADDITIVE MANUFACTURING

The Additive Manufacturing program provides the key foundational knowledge to properly design and troubleshoot state of the art technology manufacturing solutions. The Additive Manufacturing program is designed to engage students in an exciting curriculum that includes studies in 3D graphics and design, 3D modeling, 3D printing, 21st century manufacturing and properties of material.

Students will learn to design and create three dimensional products to improve manufacturing processes and solve problems. Students will also create, test and analyze products by transforming their design and production. The Additive Manufacturing program is dedicated to increasing the knowledge of engineering especially in the areas of design and manufacturing for any student interested in pursuing a career in engineering, design or advanced manufacturing.

COURSES OF STUDY

Knowledge, Ethics, and Problem Solving in Engineering
Engineering Graphics and Design Processes
Manufacturing and Industrial Systems
Computer Assisted Manufacturing (CAM)
Power and Energy
Machine Controls and Automated Systems
Electricity and Electronics

PA SKILLS CERTIFICATE/COLLEGE CREDIT

Students who score ADVANCED on the NOCTI Test potentially can earn 3 credits.



CAREERS

Computer Aided
Drafter

Industrial
Maintenance
Technician

Production
Supervisor

Manufacturing
Electrical or
Mechanical Engineer

Industrial Engineer

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$55,460.00

Hourly:
\$26.60

JOB GROWTH

(2016-2026 in PA)

10%-14%
Faster than Average

COMPUTER INFORMATION TECHNOLOGY

Interested in Information Technology? By enrolling in this program you will have the opportunity to learn fundamental and advanced concepts in designing and maintaining computer networks. Students will gain hands-on skills in computer hardware and maintenance, operating systems and software, network technologies and devices, as well as security fundamentals. The demand for careers within this field are growing fast, and the skills learned in this program are all essential for any entry level IT career. Obtaining these skills can give you the opportunity to achieve a career as a Desktop Support Specialist, Help Desk Support Technician, IT Support Specialist, IT Systems Administrator, or Network Engineer.

COURSES OF STUDY

Networking
Security
IT Essentials
Design, Implementation & Management of Linked Systems
Technical Skills required to support Networks & Network Users

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- PC Pro
- Network Pro
- Security Pro
- Client Pro
- Server Pro
- CompTIA A+
- CompTIA Network+

PENNSYLVANIA SKILLS CERTIFICATE/COLLEGE CREDIT

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Clarion University, Butler County Community College, Saint Francis and Laurel Technical Institute.



CAREERS

Network
Administrator

Computer
Support Specialist

Information
Security Analyst

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$50,980.00

Hourly:
\$24.51

JOB GROWTH

(2016-2026 in PA)

10%-14%
Faster than Average

ELECTRONICS TECHNOLOGY

Instruction in this program will develop basic levels of knowledge, understanding and skills essential for entry-level employment in communications, industrial electronics, digital processing, robotics, avionics, biomedical technology and other electronics occupations. This program prepares individuals to apply basic electronic principles and technical skills to the production, calibration, estimation, testing, assembling, installation and maintenance of electronic equipment. Using the latest technology you will have the opportunity to build telephones, security alarm systems and rockets.

COURSES OF STUDY

Foundations of Electronics
Electronic Circuits
Soldering, Prototyping and Fabrication
Measuring Instruments
Digital Circuits
Robotics
Nanotechnology

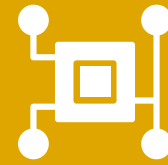
INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- Certified Electronics Technician Associate
- Certified Alarm Technician
- Student Electronics Technician
- CareerSafe

PENNSYLVANIA SKILLS CERTIFICATE/COLLEGE CREDIT

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Pittsburgh Technical College, Precision Manufacturing Institute, Clarion University of PA and Saint Francis.



CAREERS

Electrical/Electronic
Technician

Electrical/Electronic
Equipment
Assembler

Repair Technician

Service Technician

Telecommunication
Installer

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$64,330.00

Hourly:
\$30.93

JOB GROWTH

(2016-2026 in PA)

2%-4%
Average

INNOVATION AND ENTREPRENEURIAL DEVELOPMENT

Learn how to use common business software applications and maintain a business's image. Show your innovation and creativity by using state-of-the-art graphic technology including the vinyl printer. Create graphics on t-shirts, design marketing materials, and create amazing colors and textures using this high quality equipment. Brand images on unique materials using a laser beam with our laser engraver. Use on-line design and business simulations both in the classroom and virtually. Put your classroom knowledge to work while running the school store and an ecommerce store where you will sell items fabricated within the school. Work with local companies to create new ideas, designs and products. Throughout this program students will start and market a business and visit innovative companies throughout Mercer County.

COURSES OF STUDY

Advertising and Promotion
Communication
Marketing, Selling, and Visual Merchandising
Technology in Retail
Retail Math
Economics
Entrepreneurship
Management
Business Plan

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- ASK Certification
- CareerSafe

PENNSYLVANIA SKILLS CERTIFICATE/COLLEGE CREDIT

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Butler County Community College, Pittsburgh Technical College and Saint Francis.



CAREERS

Marketing Specialist

Retail Manager

Business Owner

Business
Management

Sales Representative

Accounting Assistant

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$39,630.00

Hourly:
\$19.05

JOB GROWTH

(2016-2026 in PA)

5%-9%
Average

PRECISION PRODUCTION METALS

This course is designed for students to gain knowledge and skills with an emphasis in machining. Areas are taught through hands-on assignments to develop technical skills. Through a variety of projects, students will be able to plan, setup, operate machines, as well as to manufacture and assemble metals. This is a National Institute for Metalworking Skills (NIMS) accredited program.

COURSES OF STUDY

Measurement and Inspection
Machining Math
Metal Technology
Layout Work
Hand Tools and Fasteners
Machining (Milling, Grinding, and Turning)
CNC Milling and Turning

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- OSHA
- National Institute of Metalworking Skills (NIMS)

PENNSYLVANIA SKILLS CERTIFICATE/COLLEGE CREDIT

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Pittsburgh Technical College, Precision Manufacturing Institute and Saint Francis.



CAREERS

Machinists
Machine Operator
Production Operator
Machine Assemblers

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$43,630.00

Hourly:
\$20.97

JOB GROWTH

(2016-2026 in PA)

2%-4%
Faster than Average

WELDING

The welding program focuses on the instruction of many industry-specific types of welding, and cutting techniques. Students will learn Stick, Mig, Tig, and Flux-Core Welding. Also, students will receive instruction in Plasma and Oxy-Fuel cutting of metals. Blueprint reading and welding symbols will be taught so students can learn to produce real-world products and parts. American Welding Society standards are integrated into this welding curriculum.

COURSES OF STUDY

Principles of Welding
Oxy-Fuel Welding
Soldering and Brazing
Shielded Metal Arc Welding
Flux Core Arc Welding
Gas Metal Arc Welding
Pipe Welding
Welding Math and Print Reading

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- OSHA
- Safety and Pollution Prevention Welding (SP/2)
- American Welding Society (AWS)

PENNSYLVANIA SKILLS CERTIFICATE/COLLEGE CREDIT

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Pittsburgh Technical College, Precision Manufacturing Institute, Ohio Technical College, Saint Francis, and Triangle Tech.



CAREERS

Fabrication Welder
Fitter Welder
Maintenance Welder

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$41,380.00

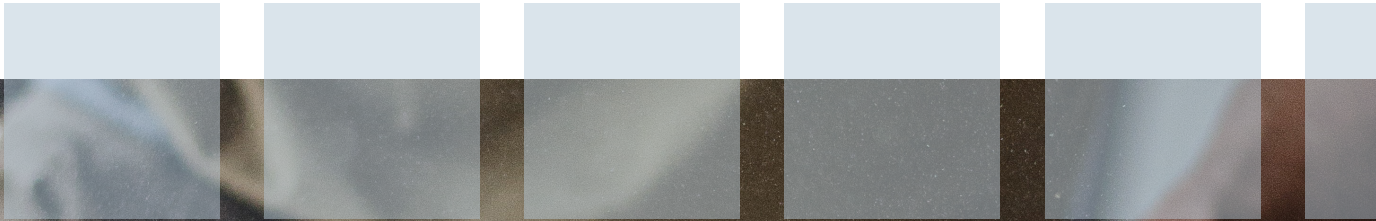
Hourly:
\$19.89

JOB GROWTH

(2016-2026 in PA)

5%-9%
Average

CONSTRUCTION



CARPENTRY

Earn your PA Builder Association Certificate in the Carpentry program. Become prepared to obtain entry-level positions in building construction trades, apprenticeships in trade unions or pursue enrolling in postsecondary institutions for degrees in construction, sales, or management. The program's curriculum enables students to develop a knowledge base through classroom theory lessons and acquire technical skills by applying learned knowledge in hands-on shop experiences.

COURSES OF STUDY

Hand and Power Tools
Blueprint Reading
Framing
Interior and Exterior Finish
Construction Materials

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- PA Builders Association

PENNSYLVANIA SKILLS CERTIFICATE/COLLEGE CREDIT

Students who score ADVANCED on the NOCTI Test earn 3 credits to post-secondary institutions. Students have the opportunity to earn credits to Precision Manufacturing Institute and Saint Francis.



CAREERS

Carpenter
Drywall Finisher
Roofer
Woodworker
Construction Laborer

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$46,590.00

Hourly:
\$22.40

JOB GROWTH

(2016-2026 in PA)

5%-9%
Average

TRANSPORTATION INDUSTRY



COLLISION REPAIR AND REFINISHING

The automotive industry has a rich heritage and exciting future. That future is reflected in collision repair and refinishing, one of the fastest growing and most innovative fields in the industry. You will use cutting edge technology based on Automotive Service Excellence (ASE) Standards as well as I-Car and PPG standards. Students will learn to estimate damage, assemble and disassemble vehicles, repair parts, replace parts, prep and refinish vehicles and overall detailing. Collision repair and refinishing will teach you the skills related to manufacturing, welding, detailing, glass installation, and customer service along with many other skills related to professional development.

COURSES OF STUDY

Damage Analysis and Estimation
Body Panel Repair
Plastic Panel and Parts Repair
Painting and Refinishing
Interior and Exterior Trim and Glass
Vehicle Structural Repair
Welding and Cutting

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- Safety and Pollution Prevention Automotive (SP/2)
- Automotive Service Excellence (ASE)
- PPG Certified Technician
- I-Car

PENNSYLVANIA SKILLS CERTIFICATE / COLLEGE CREDIT

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Ohio Technical College and Saint Francis.



CAREERS

Auto Body Repair
Technician

Automotive Painter

Shop Estimator

Detailer

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$42,730.00

Hourly:
\$20.55

JOB GROWTH

(2016-2026 in PA)

5%-9%
Average

AUTOMOTIVE TECHNOLOGY

The Automotive Technology program is designed to provide students with entry level skills and the high-tech knowledge needed to diagnose and repair today's modern vehicles. The student's training is based on Automotive Service Excellence Standards (ASE). The program also provides students the opportunity to earn their Pennsylvania State Inspection License. Students are able to work on modern trainer vehicles, customer vehicles, and their own vehicles.

COURSES OF STUDY

Brakes
Steering and Suspension
Engine Repair
Electrical Systems
Heating and Cooling Systems
Engine Performance
Manual/Automatic Transmission

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- Safety and Pollution Prevention Automotive (SP/2)
- Automotive Service Excellence Certification (ASE)
- Battery Starting and Charging System (AC Delco)
- Electrical State 1 & 2 (AC Delco)
- Motor Oil Certification (Valvoline)

PENNSYLVANIA SKILLS CERTIFICATE/COLLEGE CREDIT

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Ohio Technical College, University of Northwestern Ohio and Saint Francis.



CAREERS

Automotive
Technician

Maintenance
Specialist

Alignment
Specialist

Automobile
Mechanic

Brake Technician

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$40,710.00

Hourly:
\$19.57

JOB GROWTH

(2016-2026 in PA)

5%-9%
Average

DIESEL TECHNOLOGY



Get on the highway and learn the skills needed to pursue a career in diesel technology. Learn impressive features of Agricultural and Industrial Equipment. Bumper-to-bumper instruction in medium and heavy truck repair will allow students to diagnose, service and repair all aspects of diesel related equipment. This is accomplished using modern, high-tech scan tools and personal computer interfaces. Diesel engines have become more fuel efficient, lighter, quieter and environmentally friendly. These factors have created an increased demand for talented and skilled technicians.

COURSES OF STUDY

Diesel Engines
Brakes
Steering and Suspension
Electrical Systems
Drive Train
Transmissions
Preventative Maintenance

INDUSTRY CERTIFICATIONS

Students may be eligible to earn the following industry certifications:

- Safety and Pollution Prevention Heavy Duty (SP/2)
- Automotive Service Excellence (ASE)

Pennsylvania Skills Certificate/College Credit

Students who score ADVANCED on the NOCTI Test earn 3 credits. Students have the opportunity to earn credits to Ohio Technical College, University of Northwestern Ohio and Saint Francis.

CAREERS

Diesel Technician

Bus Mechanic

Farm Equipment

Mechanic and
Service Technician

MEDIAN INCOME

(2018 in PA)

Average Pay:
\$47,350.00

Hourly:
\$22.76

JOB GROWTH

(2016-2026 in PA)

5%-9%
Average

FREQUENTLY ASKED QUESTIONS

How many students are in each class?

Students are able to work individually and in groups to learn the skills necessary to be successful in the real world. Classes are sized for students to get a variety of training experiences.

Does this replace my classes in high school?

Students attend Mercer County Career Center for half a day. While at the Career Center, students are in their program learning the competencies needed to complete their career program. Students take their required academic courses at their high school. Career Center students earn credits toward their graduation requirements. Students can still participate in their home school's clubs, organizations, and activities.

What kind of hand-on experience will I receive?

Students who attend Mercer County Career Center learn the skills and techniques through classroom instruction, but spend more time applying those skills and techniques in real-world, hands-on applications and experiences.

What happens if I start in one program, but decide that I prefer a different program?

Planning for a career should begin in elementary school. Guidance Counselors work with students to ensure their interests match their career goals in the middle school levels.

By the time students make a decision to come to Mercer County Career Center, most of this planning has taken place. To be eligible for many certificates, students have to be in a program for two years; however, program changes can be made on a case-by-case basis.

Will I be more marketable when looking for employment?

Students who graduate from the Mercer County Career Center have developed a career portfolio, earned a variety of business/industry credentials and have gained the experience of working in real-world, high-tech scenarios making them ready for entry-level employment.





776 GREENVILLE ROAD
MERCER, PA 16137

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PERMIT NO. 88

WHY CHOOSE MCCC?

- ✓ All of our programs **prepare students for post-secondary education or immediate employment.**
- ✓ **Earn college credit** while learning a skill and becoming certified in a specific area.
- ✓ Take advantage of our Cooperative Education program where you can **gain work experience and prepare for a career while still in high school.**
- ✓ We provide a **real world education** to all of our students preparing them for their futures!

MERCER COUNTY CAREER CENTER

Real Education.
Real Experience.